

METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR
ANALYZING MAINTENANCE OPERATIONS AND ASSESSING THE
READINESS OF REPAIRABLE SYSTEMS

5 ABSTRACT OF THE DISCLOSURE

An automated method, system and computer program product for assessing the readiness of a plurality of repairable systems, such as a fleet of aircraft, are provided. In addition to identifying the repairable systems that will be operational, the relative state of readiness of the repairable systems is determined such that the
10 repairable systems that are most likely to successfully complete the designated task can be selected. Additionally, an automated method of analyzing the maintenance operations performed upon a plurality of repairable systems, such as a fleet of aircraft, is provided. In this regard, the relative states of readiness of the repairable systems are determined and maintenance resources are allocated based upon the respective
15 measures of the relative states of readiness of the repairable systems. As such, maintenance operations scheduled for the aircraft that will have the greatest state of readiness upon completion of the maintenance operations can be prioritized.

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